

D4E Limit Switch

Coolant-Resistant Model



Part No: D4E-1A23N-FH-M1J 0.3M

D4E Limit Switch

Coolant-Resistant Model



Benefits

- Omron-developed rubber seal dramatically increases the durability against coolant exposure
- The durability of the “Coolant-Resistant Model” is 4 times longer than standard (Non-resistant) model
- Quick and correct connection saves customers’ maintenance cost

Standard type



Coolant-Resistant Model



Coolant-Resistant Model

4 years or more

Standard

1 year

Durability



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Target Industry: Machine Tool

► Find customers who use limit switches and coolant

► Ask questions of your customers:

- Are they aware of the maintenance cost for switches?
- How much are the labor cost to replace switches?
- Do they know the cost of machine downtime during maintenance?
- Do they have to replace switches often and if so, why?

Solution

Use coolant-proof type
D4E-1A23N-FH-M1J 0.3M

Result

Save Switch maintenance
cost 4 times or more!!



D4E Limit Switch

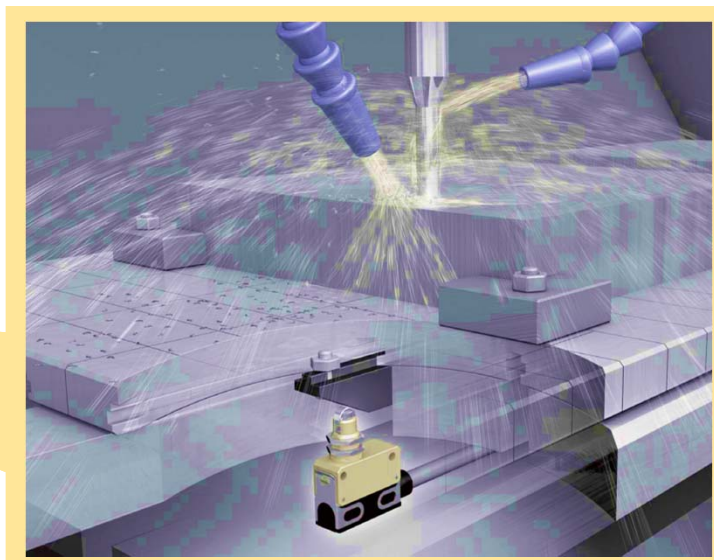
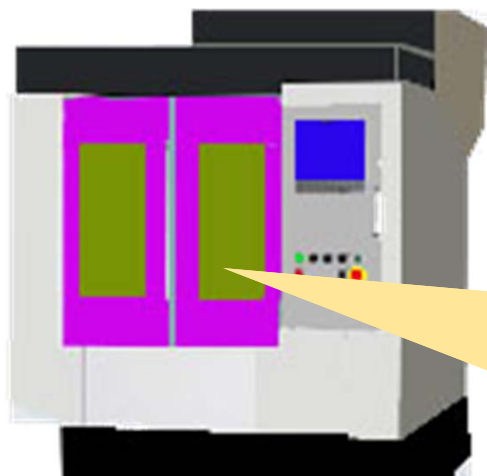
Coolant-Resistant Model



Target Application: Machine Tool/Processing Machine

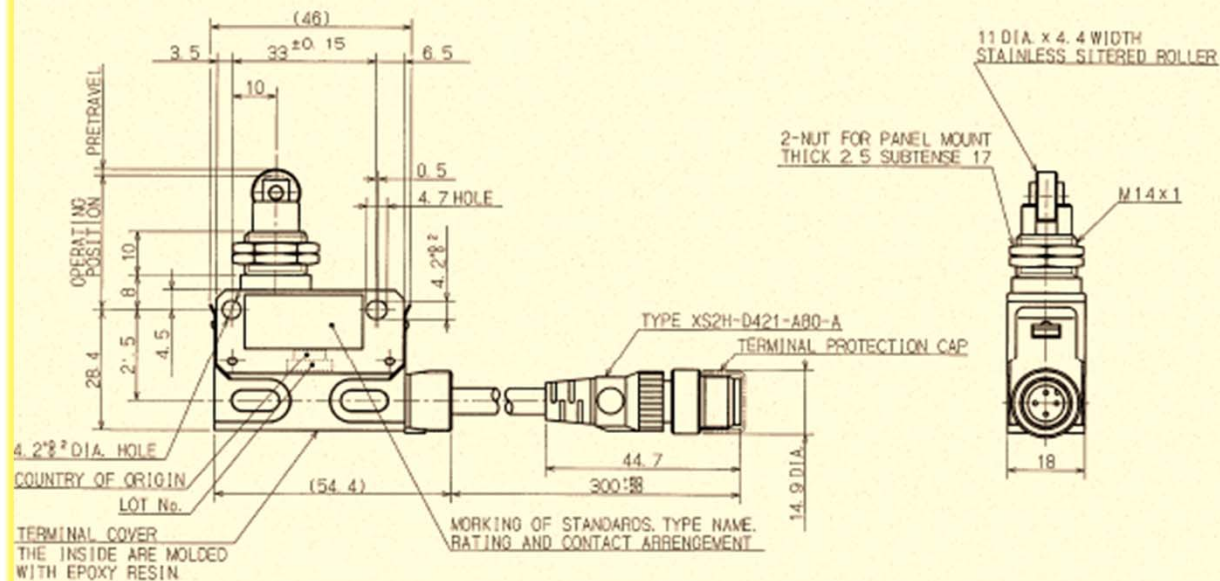
- ▶ **Detect Table Position, especially Tapping Machine**
Expected usage is 6 to 9 pieces per machine
- ▶ **The most appropriate for water-soluble coolant**

Target Customer: Automotive parts manufacturer



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1. OPERATING CHARACTERISTICS

ITEM	SPECIFICATION VALUE
OPERATING FORCE	11.76N MAX.
RELEASE FORCE	4.90N MIN.
PRETRAVEL	1.5 mm MAX.
OVERTRAVEL	3 mm MIN.
MOVEMENT DIFFERENTIAL	(0.1)mm
OPERATING POSITION	31.4±0.8 mm

()...REFERENCE VALUE

2. ELECTRICAL RATING

DC-12 2A/30V

3. CONTACT ARRANGEMENT

COM — NO
— NC

TERMINAL	CONNECTOR PIN No.
UNUSED TERMINAL	1
NC	2
COM	3
NO	4



CONNECTOR FORM

4. SUITABLE CONNECTOR TYPE

TYPE	LENGTH
XS2F-D421-080-A	2m
XS2F-D421-080-A	5m

Mouser Electronics

Authorized Distributor

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Omron:

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